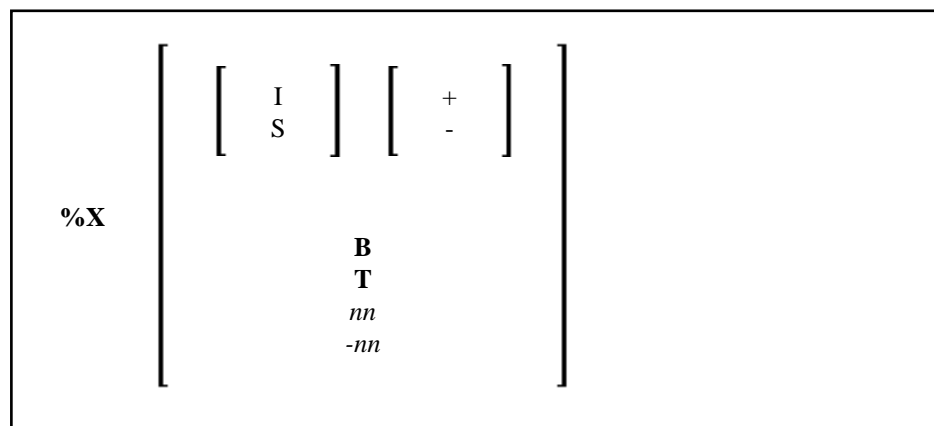


# %X - Control of Statistics Line/Infoline

## Command Syntax



This terminal command controls the display of the Natural statistics line or infoline.

### Natural for Mainframes:

The line can be used as either statistics line or infoline (but not both at the same time). See also Statistics Line/Infoline - Terminal Command %X in the Natural User's Guide for Mainframes => Designing User Interfaces => Screen Design.

### Natural for UNIX/OpenVMS, Natural for Windows:

The line can only be used as infoline.

Command	Function
<b>%X+</b>	switches the display of the statistics line/infoline on.
<b>%X-</b>	switches the display of the statistics line/infoline off.
<b>%X</b>	switches the display of the statistics line/infoline on and off (toggle switch).
<b>%XI+</b>	displays the line in infoline mode.
<b>%XI-</b>	displays the line in statistics display mode (only possible on mainframe computers).
<b>%XI</b>	switches between the two display modes (only possible on mainframe computers).
<b>%XS+</b>	displays additional statistics (see below).
<b>%XS-</b>	returns to display of original statistics.
<b>%XS</b>	switches between additional and original statistics.
<b>%XB</b>	displays the statistics line/infoline in the bottom line of the screen.
<b>%XT</b>	displays the statistics line/infoline in the top line of the screen.
<b>%Xnn</b>	displays the statistics line/infoline on line <i>nn</i> of the screen. If the line number <i>nn</i> is not within the current screen, the statistics line/infoline will not be displayed.
<b>%X-nn</b>	displays the statistics line/infoline on the <i>nn</i> th line from the bottom of the screen. If the line number <i>-nn</i> is not within the current screen, the statistics line/infoline will not be displayed.

## Infoline

Data can be written to the infoline by specifying the output destination "INFOLINE" with the DEFINE PRINTER statement. Only a single line can be written to the infoline. The infoline can be used to have status information displayed, for example, for debugging purposes; it can also be used as separator line (as defined by SAA standards).

## Statistics Line - on Mainframe Computers only

When the line is used in statistics display mode, the following statistical information is provided:

Command Option	Function
<b>IO</b>	Number of bytes transmitted to the screen during the previous screen operation.
<b>AIO</b>	Average number of bytes transmitted per terminal screen operation (since beginning of Natural session).
<b>L</b>	Logical line number of top line within the logical page shown in the current window.
<b>C</b>	Logical column number of the leftmost column within the logical page shown in the current window.
<b>LS</b>	Logical line size of current page (as defined by session parameters).
<b>PS</b>	Logical page size of current page (as defined by session parameters).
<b>PLS</b>	Physical line size of window.
<b>PCS</b>	Physical page size of window.
<b>FLD</b>	Number of fields generated in the last screen.
<b>CLS</b>	Number of program calls during the last terminal I/O.
<b>ADA</b>	Number of Adabas calls during the last terminal I/O.

### Additional statistics displayed with %XS+

Command Option	Function
<b>MIN</b>	Minimum duration (in seconds) of Natural activities between two terminal I/Os in the current Natural session.
<b>MAX</b>	Maximum duration (in seconds) of Natural activities between two terminal I/Os in the current Natural session.
<b>AVR</b>	Average duration (in seconds) of Natural activities between two terminal I/Os in the current Natural session.
<b>LST</b>	Duration (in seconds) of Natural activities between the last but one and the last but two terminal I/Os.